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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Syed Z. Salahuddin

Title: PREPARATION OF REPLICATING  
MACROPHAGES AND USE IN  
DIAGNOSIS AND THERAPY

Appl. No.: 09/991,583

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MAY 02 2002

Filing Date: 11/16/2001

TECH CENTER 1600/2900

Examiner: Unassigned

Art Unit: 1645

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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR § 1.56**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR § 1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR § 1.97 and § 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

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**RELEVANCE OF EACH DOCUMENT**

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All of the documents are in English.

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Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date April 29, 2002

By Barry Wilson

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 077826-2002	SERIAL NO. 09/991,583
<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		APPLICANT Syed Z. Salahuddin	
		FILING DATE 11/16/2001	GROUP ART UNIT 1645

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	A1	6,146,889	11/14/2000	Reid, et al.			APR 30 2001 RECEIVED
							MAY 02 2002
							TECH CENTER 1600/2900

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	A2	Arima, et al., "Effects of Extracellular Matrix on Rat Kupffer Cell Functions in Vitro," <i>Cells of the hepatic Sinusoid</i> , 7:68-69 (1999)
	A3	Gendrault, et al., "Interaction of Cultured Human Kupffer Cells with HIV-Infected CEM Cells: An Electron Microscopic Study," <i>Pathobiology</i> , 59:223-226 (1991)
	A4	Marianneau, et al., "Infection of Primary Cultures of Human Kupffer Cells by Dengue Virus: No Viral Progeny Synthesis, but Cytokine Production Is Evident," <i>Journal of Virology</i> , 73(6):5201-5206 (1999)
	A5	Schmitt, et al., "Multiplication of Human Immunodeficiency Virus in Primary Cultures of Human Kupffer Cells – Possible Role of Liver Macrophage Infection in the Physiopathology of AIDS," <i>Res. Virol.</i> , 141:143-152 (1990)

EXAMINER	DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.